

Responsible Conduct of Research Training Syllabus for Postdoctoral Scholars Spring Semester 2023

Training to guide postdoctoral fellows and junior faculty in mentoring others on the ethics and responsibilities of conducting research

Dates

Session 1: March 24, 2023 • Session 2: April 14, 2023

Time

12:00 – 5:00 pm

Locations

All Topics except Research Involving Vertebrate Animals (Laupus Library 1504)
Research Involving Vertebrate Animals (Laupus Library 1506)

RCR PROGRAM CONTACTS:

Tammy Drapeaux	Research Compliance & Training Specialist, Office of Research Integrity & Compliance
Deb Elek, MS	Director, Office of Research Integrity & Compliance

PARTICIPATING INSTRUCTORS:

Kenneth Briley, MSW	Director, Post-IRB Approval Monitoring, RGH Institutional Review Board
Gaelle Deshayes, PhD	University Program Specialist, Department of Comparative Medicine
Jamie DeWitt, PhD	Professor, Department of Pharmacology
Greg Hassler, PhD, JD	Teaching Assistant Professor, Department of Bioethics & Interdisciplinary Studies
Jeffrey McKinnon, PhD	Professor, Department of Biology
Russ Price, PhD	Professor, Department of Biochemistry & Molecular Biology
Tony Rowe, MBA	Assistant Director, Office of Research Integrity & Compliance and Export Control
Samuel Sears, PhD	Professor, Department of Psychology and COI Committee Chair
Kerry Sewell, MSLS	Library Associate Professor, Laupus Library
Kelly Shook, MS, AOES	EHS Professional, Environmental Health & Safety
Suzanne Sparrow, MPH	Director, Human Subjects Protections, RGH Institutional Review Board
Tonya Zeczycki, PhD	Associate Professor, Department of Biochemistry & Molecular Biology

DESCRIPTION:

This training is designed for postdoctoral fellows and junior faculty who are recipients of NIH, NSF, or other training awards that require training in Responsible Conduct of Research. The training will cover the principles and expectations for conducting research ethically and guide participants in teaching others for whom they are responsible. Each session will be led by ECU subject matter experts in each of the RCR core areas.

Pre-Session Reading

This training places a heavy emphasis on discussion and the content area instructor may require participants to complete light pre-session reading in preparation for discussion.

Attendance

Attendance at the following sessions is mandatory to receive your course certificate. For the second session, you will choose either Research Involving Human Subjects and Materials or Research Involving Vertebrate Animals – the two topics run concurrently.

Lunch

Lunch will be provided at the beginning of each day.

Responsible Conduct of Research Training

Spring 2023

Session 1 • March 24, 2023

Time	Topic/Description	Instructor(s)/Location
12:00 – 1:00	Research Misconduct <ul style="list-style-type: none">• Policies and responses to suspected research misconduct• Identifying lines between misconduct, irresponsible conduct, and expected normative practices• ECU policies and resources• What to do if you suspect misconduct or someone comes to you with concerns	Greg Hassler Laopus Library 1504
1:00 – 2:15	Data Acquisition, Management, Sharing, and Ownership & Reproducible Research <ul style="list-style-type: none">• Expected practices and policies of journals, sponsors, and institutions• Tools for reproducibility in research	Kerry Sewell Laopus Library 1504
2:15 – 3:00	Conflicts of Interest – Recognizing, Acknowledging, Managing, Eliminating <ul style="list-style-type: none">• Avoiding unconscious and subtle unintended bias• Federal and ECU policies and practices with respect to financial conflicts of interest• Institutional conflicts of interest• Risks of non-financial conflicts of interest	Sam Sears Laopus Library 1504
3:00 – 3:30	Foreign Influence and Export Controls <ul style="list-style-type: none">• Foreign component disclosure requirements• Deemed exports and when they occur• Controlled unclassified information (CUI) security requirements• Shipping internationally and what you should know	Tony Rowe Laopus Library 1504
3:30 – 5:00	Safety in Research Facilities <ul style="list-style-type: none">• Unique variety of hazards associated with research labs• Management of challenging emerging risks in research laboratories• Hazard mitigation tools	Kelly Shook Laopus Library 1504

Responsible Conduct of Research Training

Spring 2023

Session 2 • April 14, 2023

Time	Topic/Description	Instructor(s)/Location
12:00 – 1:00	<p>Mentor-Mentee Relationships</p> <ul style="list-style-type: none"> • Core principles of teaching and learning through mentors • Responsibilities when mentoring others • Helping others deal with the lack of consensus across the community on some practices • Individual Development Plans • Clarifying expectations 	<p>Jamie DeWitt Laupus Library 1504</p>
1:00 – 2:00	<p>Collaborative Science</p> <ul style="list-style-type: none"> • New issues arising as research becomes much more of a ‘team sport’ • As a mentor, guiding others working across research groups and differing research practices • Prospectively addressing possible issues BEFORE they arise • International collaborations – similarities and potential differences 	<p>Tonya Zeczycki Laupus Library 1504</p>
2:00 – 3:00	<p>Publication Practices and Responsible Authorship</p> <ul style="list-style-type: none"> • The range of norms, beliefs, and practices among scientists and disciplines on assignment of credit through authorship and acknowledgements • Journal practices requiring explicit statements of contributions of authors • Establishing and communicating your criteria and process for determining authorship 	<p>Jeff McKinnon Laupus Library 1504</p>
3:00 – 4:00	<p>Peer Review</p> <ul style="list-style-type: none"> • What really are the instructions and expectations for journal and NIH peer reviewers? • Inclusion of graduate students and postdocs in peer review processes • Teaching others the high bar for respect of intellectual property revealed to peer reviewers 	<p>Russ Price Laupus Library 1504</p>
4:00 – 5:00	<p>Research Involving Human Subjects and Materials</p> <ul style="list-style-type: none"> • Beyond the basics to reality • Balancing potential conflicts between protecting subjects and accomplishing vital research <p style="text-align: center;">--- or ---</p> <p>Research Involving Vertebrate Animals</p> <ul style="list-style-type: none"> • Going beyond the web-based training to real-life considerations of using animals in research • Practical applications for seeking approval to use animals in your research • Supervising and training others to work with animals in research 	<p>Suzanne Sparrow Kenneth Briley Laupus Library 1504</p> <p style="text-align: center;">-----</p> <p>Gaelle Deshayes Laupus Library 1506</p>